

Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

A DC-to-DC converter power supply device ~~according to the present invention~~ includes drive circuits ~~(5) and (15)~~ for generating different drive waveforms from a drive pulse of an oscillation control circuit portion ~~(2)~~; a first switching element ~~(3)~~ driven by a drive circuit ~~(5)~~; a second switching element ~~(17)~~ driven by a drive circuit ~~(15)~~; and a third switching element ~~(20)~~ connected in parallel to a second diode ~~(21)~~ of the second switching element ~~(17)~~ and driven by the drive circuit ~~(5)~~.

Attachment

Respectfully submitted,

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Kathleen Libby

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ABSTRACT

A DC-to-DC converter power supply device includes drive circuits for generating different drive waveforms from a drive pulse of an oscillation control circuit portion; a first switching element driven by a drive circuit; a second switching element driven by a drive circuit; and a third switching element connected in parallel to a second diode of the second switching element and driven by the drive circuit.